

Department of Information Technology

National Engineering College, K.R.Nagar, Kovilpatti – 628 503.

(An Autonomous Institution - Affiliated to Anna University, Chennai)

www.nec.edu.in

18th Board of studies Meeting in the Department of
Information Technology

Venue: Department of IT, National Engineering College
K.R.Nagar, Kovilpatti – 628503

Date & Time: 24.12.2022 & 11.30 a.m.

Agenda

BoS / IT 18.1	:	Welcome address and Opening Remarks by Chairman, Board of studies in the department of Information Technology
BoS / IT 18.2	:	Confirmation of the Minutes of the 17 th meeting of Board of studies in the department of Information Technology held on 02 nd JULY 2022 and Action taken report of 17 th meeting of Board of studies
BoS / IT 18.3	:	Business brought forward by the Chairman, Board of studies 18.3.1 Verticals for awarding Honors, Honors with specialization and Minor degree - B.Tech Information Technology 18.3.2 Refinement of II Semester Courses for B.Tech Artificial Intelligence & Data Science (R-2019)
BoS / IT 18.4	:	Any other items
BoS / IT 18.5	:	Suggestions given by the BoS Members

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F. No. 18.1/NEC/ IT/2021-22

24th Dec, 2022

Dear Sir/Madam,

Sub: *Minutes of the 18th Meeting of the Board of studies in the Information Technology - Reg.*

Kindly find attached herewith the Minutes of the 18th Meeting of Board of studies of the Information Technology of National Engineering College, K.R.Nagar, Kovilpatti – 628503 held on 24th Dec, 2022 at 11.30 AM. Hard copy of the minutes is also being sent to you by speed post.

It is requested that comments on the Minutes, if any, may please be sent by email at hodit@nec.edu.in or by post, at the earliest. If no comments are received, within ten days, the Minutes shall be taken as confirmed. With kind Regards,

Yours Sincerely

(Dr.K.G.Srinivasagan)

Department of Information Technology

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MINUTES OF THE MEETING

The 18th Meeting of the Board of studies of the Information Technology was held on 24th Dec 2022 at 11.30 AM.

1. The following members were present:

1.	Dr.K.G.Srinivasagan, Prof & Head	Chairman
2.	Dr.R.Muthukumar, Professor	Internal Members
3.	Dr.L.Jerart Julus, Asso. Prof.	
4.	Dr.S.Chidambaram, Asst. Prof. (SG)	
5.	Dr.S.Rajagopal, Asst. Prof. (SG)	
6.	Mr.V.Manimaran, Asst. Prof. (SG)	
7.	Ms.V.Anitha, Asst. Prof.	
8.	Ms.S.Sanathi, Asst. Prof.	
9.	Dr.G.Madhupriya, Associate Professor, Department of Computer Science & Engineering, Thiagarajar College of Engineering, Madurai.	University Nominee
10.	Dr B L Velammal, Associate Professor, Department of Computer Science and Engineering Anna University, Chennai.	Academician
11.	Dr.S.Nickolas, Professor, Department of Computer, Applications National Institute of Technology, Tiruchirappalli.	Academician
12.	Mr. Sudeesh Sankaravel Associate Fellow - Data Science Verizon, Chennai.	Industrial Expert
13.	Dr.K.M.Suceendran, General Manager, Tata Consultancy Services, Chennai.	Industrial Expert
14.	Dr.R.Jagadeesh Kannan, Professor, School of Computer Science & Engineering, Vellore Institute of Technology, Chennai Campus.	Alumni Expert
15.	Dr. Shajulin Benedict, Assistant Professor, Department of Computer Science & Engineering IIIT- Kottayam.	Special Invitee
16.	Anandh.A, Final year	Student Members
17.	Anto Rosario.S, Final year	

BoS / IT 18.1	:	WELCOME ADDRESS AND OPENING REMARKS BY CHAIRMAN, BOARD OF STUDIES IN THE DEPARTMENT OF INFORMATION TECHNOLOGY
		The Chairman, BoS of the Information Technology welcomed and introduced the members of 18 th Board of Studies and thanked each one of them for sparing their valuable time to attend the meeting.
BoS / IT 18.2	:	TO CONFIRM THE MINUTES OF SEVENTEENTH BOS MEETING HELD ON 02 nd JULY, 2022.
		The minutes of the Seventeenth Board of Studies meeting held on 02 nd July, 2022 were communicated to the members. The comments received have been incorporated and placed for confirmation. The same was approved by the 17 th Academic council. ➤ Action Taken Report (Enclosed in <i>Annexure I</i>)
BoS / IT 18.3.1	:	TO CONFIRM AND APPROVE VERTICALS FOR AWARDING HONORS, HONORS WITH SPECIALIZATION AND MINOR DEGREE - B.TECH INFORMATION TECHNOLOGY
		RESOLVED TO APPROVE Verticals for awarding Honors, Honors with specialization and Minor degree - B.Tech Information Technology
BoS / IT 18.3.2	:	TO CONFIRM AND APPROVE REFINEMENT OF II SEMESTER COURSES FOR B.TECH ARTIFICIAL INTELLIGENCE & DATA SCIENCE (R-2019)
		RESOLVED TO APPROVE Refinement of II Semester Courses for B.Tech Artificial Intelligence & Data Science (R-2019)
BoS / IT 18.4	:	SUGGESTIONS GIVEN BY THE BOS MEMBERS
18.4.1	:	Only six courses are proposed to be offered as verticals in the programme. Number of courses may be increased, that helps students to choose from multiple options.
18.4.2	:	Faculty members those who will be handling verticals must be

		assigned well in advance (at least one semester ahead), so that they may deliver the course appropriately.
18.4.3	:	One credit courses such as Deep learning, Reinforcement learning and Natural Language Processing may be included as verticals.
18.4.4	:	Course Outcomes may be reframed to map with the knowledge level appropriately.
18.4.5	:	In Introduction to Data Science verticals some packages may be included for Visualization in Unit 3. Contents relate to SciPy, NumPy looks too complex. Hence it may be simplified.
18.4.6	:	In Machine Learning Techniques verticals , Unit 4 and 5 are heavily loaded. Hence Deep Learning and Reinforcement learning may be offered as a separate one credit course. Lecture hours can therefore be reduced and Lab components may be added in the course.
18.4.7	:	Course name for “Data Engineering Concepts and Tools” verticals, the course may be renamed as “Data Engineering” . Unit 5 may be renamed as “Data Analysis” .
18.4.8	:	Course name for Business Intelligence and Analytics verticals, the course may be renamed as “Business Intelligence” .
18.4.9	:	Course name for “Data Visualization and analytics” verticals, the course may be renamed as “Data Visualization” . Content related to Matplotlib may be removed.
18.4.10	:	Course name for “Data Preservation and Privacy” verticals, the course may be renamed as “Data Privacy” . Contents related to Data Governance may also be included in the course. Title of Unit 5 may be renamed.
18.4.11	:	In the Second Semester Courses for B.Tech Artificial Intelligence & Data Science (R-2019) the LTPC of the course 19AD26C – “Python Programming” , may be changed to L:2,T:0,P:2,E:2 and the number of credits may be changed to 4.
18.4.12	:	In experienced learning courses, societal or industrial problems may be practiced and the outcomes may be evaluated as internal assessment.

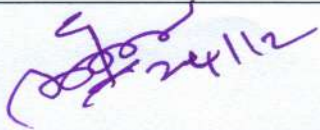
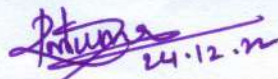
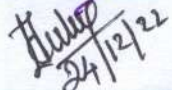
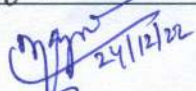

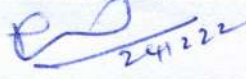
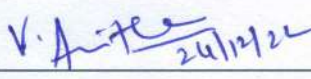
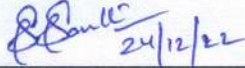
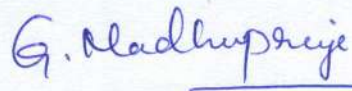
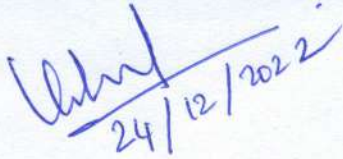
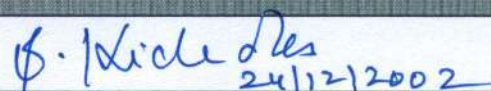
The members had a brainstorming discussion and interaction among themselves. After discussion, fruitful suggestions were incorporated.


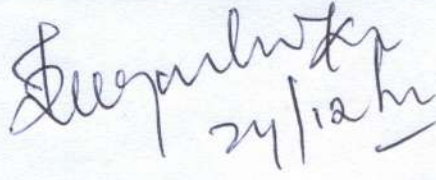
Based on the suggestions given by the members, BOS resolved to recommend the following to the Academic Council for further approval.

- a) Verticals for awarding Honors, Honors with specialization and Minor degree - B.Tech Information Technology
- b) Refinement of II Semester Courses for B.Tech Artificial Intelligence & Data Science (R-2019)

Ms.V.Anitha, Asst. Prof., thanked all the members for their kind cooperation and the meeting came to an end.

Members Present:

Dr.K.G.Srinivasagan, Prof & Head, Board Chairman	 24/12
Internal Members	
Dr.R.Muthukumar, Professor.	 24.12.22
Dr.L.Jerart Julius, Asso. Prof.	 24/12/22
Dr.S.Chidambaram, Asst. Prof. (SG)	 24/12/22
Dr.S.Rajagopal, Asst. Prof. (SG)	 24/12/22
Mr.V.Manimaran, Asst. Prof. (SG)	 24/12/22
Ms.V.Anitha, Asst. Prof.	 24/12/22
Ms.S.Santhi, Asst. Prof.	 24/12/22
University Nominees	
Dr.G.Madhupriya, Associate Professor, Department of Computer Science & Engineering, Thiagarajar College of Engineering, Madurai.	 24/12/2022
Academic ian	
Dr B L Velammal, Associate Professor, Department of Computer Science and Engineering Anna University, Chennai.	 24/12/2022
Academic ian	
Dr.S.Nickolas, Professor,	 24/12/2002

Department of Computer, Applications National Institute of Technology, Tiruchirappalli.	
Industrial Expert	
Mr. Sudeesh Sankaravel Associate Fellow – Data Science Verizon, Chennai.	 24/12/22
Alumni Expert	
Dr.R.Jagadeesh Kannan, Professor, School of Computer Science & Engineering, Vellore Institute of Technology, Chennai Campus.	 24/12/22
Student Members	
Anandh.A, Final year	A. Anandh 24/12/2022
Anto Rosario.S, Final year	of. Anto Rosario 24/12/2022


CHAIRMAN
BOARD OF STUDIES

ANNEXURE I

Actions taken for Minutes of 17th BoS Meeting

As per BOS Committee suggestion,

- In **Arduino Programming**, some basic concepts may be included.
- In **Mathematics for Machine Learning**, some Python based tools may be used to explore statistical concepts. Content is heavy for offering as one credit, and it may be provided as a three credit course.
- In **Network Simulation with NS3** one credit course contents related to NS4 may also be included.
- In **Python for Data Science**, some popular dataset may be specified. In reference books, year may be mentioned.
- In **Node JS**, some introduction about meanstack development may be provided.
- In **Introduction to NoSQL with MongoDB**, case study based exercises related to social media applications and IoT based applications may be included
- Curriculum and syllabus of **Artificial Intelligence & Data Science** programme is recommended
- Mandatory Elective Course on **Professional Readiness for Innovation, Employability and Entrepreneurship** may be recommended.
- **List of examiners** to be approved for **project viva voce examinations**, may be confined to Associate Professor and Professors.


CHAIRMAN
BOARD OF STUDIES

